

=> d his

(FILE 'HOME' ENTERED AT 14:11:12 ON 10 SEP 2002)

FILE 'REGISTRY' ENTERED AT 14:11:28 ON 10 SEP 2002

L1 62404 S [CESTK][ILVAXG][KRGX][STXCEDK][KRGX][KRGX]/SQSP
L2 1182 S L1 AND 7<SQL<17
L3 73 S L2 AND CYCL?/NTE
L4 3 S L3 AND ABU/NTE
L5 73 S L3

5981478

/
CRR E TAWAE

L5 ANSWER 68 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 81471-80-9 REGISTRY

CN Cyclo(L-cysteinylglycylglycyl-L-cysteinylglycylglycyl-L-cysteinylglycylglycyl) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4,7,10,13,16,19,22,25-Nonaazacycloheptacosane, cyclic peptide deriv.

CN Cyclic(L-cysteinylglycylglycyl-L-cysteinylglycylglycyl-L-cysteinylglycylglycyl)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 9

NTE **cyclic**

SEQ 1 CGGCGGCGG

=====

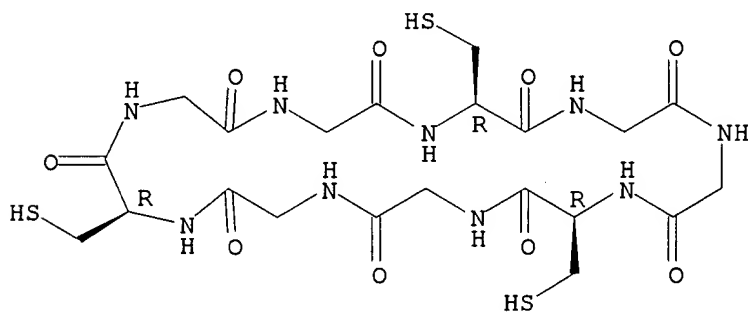
HITS AT: 1-6, 1-9

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C21 H33 N9 O9 S3

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 58 OF 73 REGISTRY COPYRIGHT 2002 ACS
 RN 136803-05-9 REGISTRY
 CN Cyclo(glycylglycyl-L-lysylglycylglycyl-L-lysylglycylglycyl-L-lysyl) (9CI)
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,4,7,10,13,16,19,22,25-Nonaazacycloheptacosane, cyclic peptide deriv.
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 9
 NTE **cyclic**

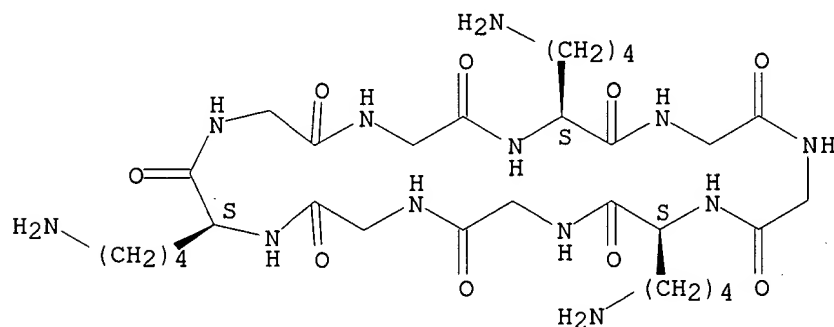
SEQ 1 GGKGGKGGK
 =====

HITS AT: 1-8, 3-9

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

MF C30 H54 N12 O9
 SR CA
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 59 OF 73 REGISTRY COPYRIGHT 2002 ACS
 RN 136803-03-7 REGISTRY
 CN Cyclo[glycylglycyl-L-lysylglycylglycyl-L-lysylglycylglycyl-N6-[[3,5-bis(carboxymethyl)phenyl]acetyl]-L-lysyl], cyclic
 (9.fwdarw.3), (9.fwdarw.6)-bis(peptide) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 6,16,22,25,28,31,34,37,39,42,45,51-Dodecaazatetracyclo[19.17.8.711,30.19,1

L5 ANSWER 5 OF 73 REGISTRY COPYRIGHT 2002 ACS
 RN 334830-76-1 REGISTRY
 CN Pseudomycin C, 1-[N-(1-oxohexadecyl)-L-serine]- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 9
 NTE **cyclic**
 modified (modifications unspecified)

| type | location | | | description |
|----------|----------|---|---|-------------|
| uncommon | Abu-1 | - | - | |
| uncommon | Und-4 | - | - | |
| uncommon | Dab-5 | - | - | |
| uncommon | Dab-8 | - | - | |

SEQ 1 XDTXXDKXT

=====

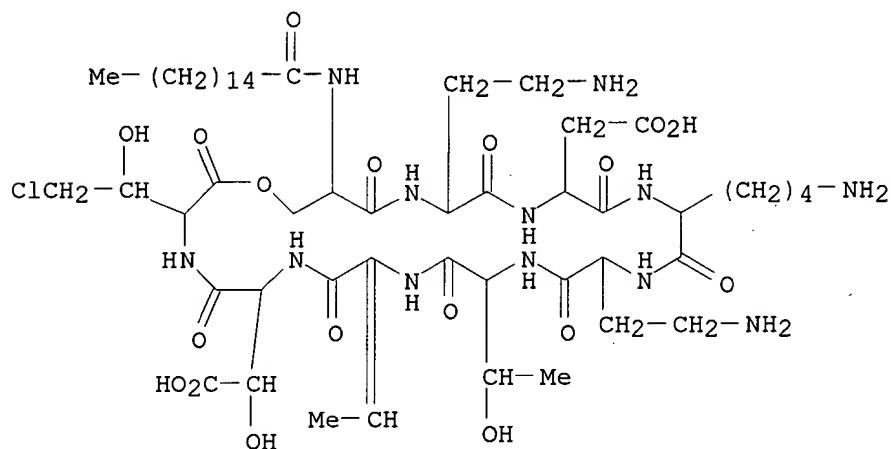
HITS AT: 3-8

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C53 H91 Cl N12 O18

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 6 OF 73 REGISTRY COPYRIGHT 2002 ACS
 RN 334830-75-0 REGISTRY
 CN Pseudomycin C', 1-[N-(3-hydroxy-1-oxohexadecyl)-L-serine]- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 9
 NTE **cyclic**
 modified (modifications unspecified)

| type | location | | | description |
|----------|----------|---|---|-------------|
| uncommon | Abu-1 | - | - | |
| uncommon | Und-4 | - | - | |

| | | | |
|----------|-------|---|---|
| uncommon | Dab-5 | - | - |
| uncommon | Dab-8 | - | - |

SEQ 1 XDTXXDKXT

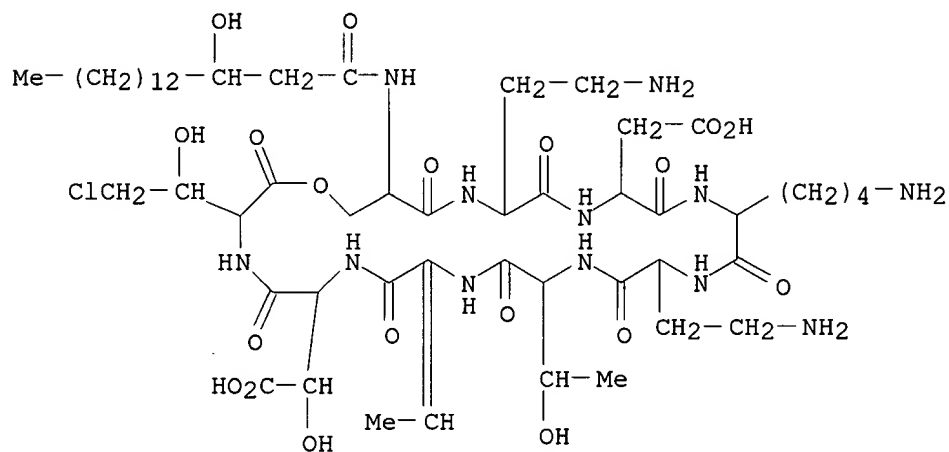
HITS AT: 3-8

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C53 H91 Cl N12 O19

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 7 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 334830-74-9 REGISTRY

CN Pseudomycin C', 1-[N-[(3S)-3-hydroxy-1-oxohexadecyl]-L-serine]- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 9

NTE **cyclic**

modified (modifications unspecified)

L5 ANSWER 72 OF 73 REGISTRY COPYRIGHT 2002 ACS
 RN 3953-49-9 REGISTRY
 CN 1,4,7,10,13,16,19,22,25,28,31,34-Dodecaazacyclohexatriacontane-2,20-dipropionic acid, 11,29-bis(4-aminobutyl)-3,6,9,12,15,18,21,24,27,30,33,36-dodecaoxo- (7CI, 8CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 12
 NTE **cyclic**

SEQ 1 EGGKGGEGGK GG
 =====

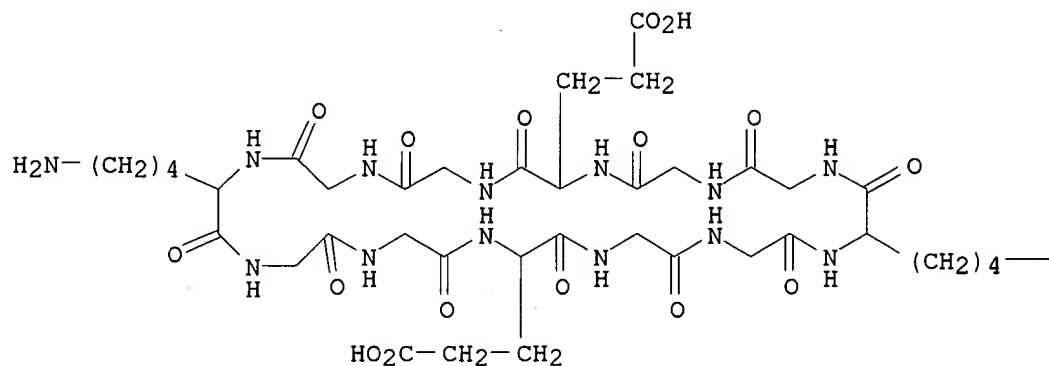
HITS AT: 1-9, 1-12

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

MF C38 H62 N14 O16

LC STN Files: CAOLD

PAGE 1-A



PAGE 1-B

—NH₂

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 73 OF 73 REGISTRY COPYRIGHT 2002 ACS
 RN 3556-59-0 REGISTRY
 CN 1,4,7,10,13,16,19,22,25,28,31,34-Dodecaazacyclohexatriacontane-2,20-dipropionic acid, 3,6,9,12,15,18,21,24,27,30,33,36-dodecaoxo-11,29-bis[4-(2,2,2-trifluoroacetamido)butyl]-, dimethyl ester (7CI, 8CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 12
 NTE **cyclic**
 modified (modifications unspecified)

| type | location | description |
|------|----------|-------------|
|------|----------|-------------|

| | | | |
|--------------|--------|---|----------------------|
| modification | Glu-1 | - | methyl<Me> |
| modification | Lys-4 | - | trifluoroacetyl<Tfa> |
| modification | Glu-7 | - | methyl<Me> |
| modification | Lys-10 | - | trifluoroacetyl<Tfa> |

SEQ 1 EGGKGGEGGK GG

=====

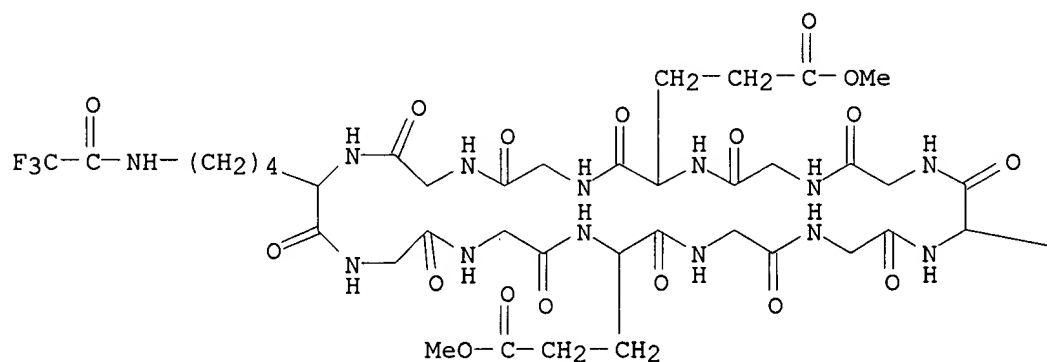
HITS AT: 1-9, 1-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

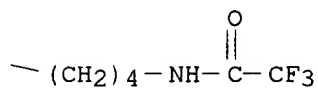
MF C44 H64 F6 N14 O18

LC STN Files: CAOLD

PAGE 1-A



PAGE 1-B



ANSWER 9 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 329077-15-8 REGISTRY
CN Cyclo(L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-tryptophyl-D-prolyl-L-prolyl-L-tryptophyl-L-lysyl-L-valyl) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE **cyclic**

SEQ 1 RKKKWPPWKV

=====

HITS AT: 1-4, 9-10

MF C67 H103 N19 O10

SR CA

LC STN Files: CA, CAPLUS

2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 10 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 329077-09-0 REGISTRY
CN Cyclo(L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-tyrosyl-D-prolyl-L-prolyl-L-tyrosyl-L-lysyl-L-valyl) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE **cyclic**

SEQ 1 RKKKYPPYKV

=====

HITS AT: 1-4, 9-10

MF C63 H101 N17 O12

SR CA

LC STN Files: CA, CAPLUS

2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 11 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 329077-03-4 REGISTRY
CN Cyclo(L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-isoleucyl-D-prolyl-L-prolyl-L-.alpha.-glutamyl-L-lysyl-L-valyl) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE **cyclic**

SEQ 1 RKKKIPPEKV

=====

HITS AT: 1-4, 9-10

MF C56 H101 N17 O12

SR CA

LC STN Files: CA, CAPLUS

2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 12 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 205599-42-4 REGISTRY
CN L-Leucinamide, L-.alpha.-aspartyl-L-alanyl-L-alanyl-L-threonyl-L-alanyl-L-leucyl-L-alanyl-L-asparaginy-L-alanyl-L-leucyl-L-lysyl-L-lysyl-N-(2-mercaptoethyl)-, (13.fwdarw.2'''), (13'.fwdarw.4'''), (13''.fwdarw.6'''), (13'''.fwdarw.8''')-tetrakis(thioether) with cyclo[3-aminobenzoyl-N6-(mercaptoacetyl)-L-lysyl-3-aminobenzoyl-N6-(mercaptoacetyl)]

REFERENCE 2

AN 96:163166 CA
 TI Peptides containing .beta.-turns. I. Cyclo-(Gly-L-Cys-Gly)3 triply
 bridged by 1,3,5-tris-(thiomethyl)benzene
 AU Kemp, D. S.; McNamara, Paul
 CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA
 SO Tetrahedron Lett. (1981), 22(46), 4571-4
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English

L5 ANSWER 70 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 9

NTE **cyclic**
 modified (modifications unspecified)

SEQ 1 CGGCGGCGG

=====

HITS AT: 1-6, 1-9

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 106:50619 CA
 TI Raman spectroscopic studies of beta-turn-containing cyclic peptides
 AU Seaton, B. A.
 CS Dep. Chem., MIT, Cambridge, MA, 02139, USA
 SO Spectrochim. Acta, Part A (1986), 42A(2-3), 227-32
 CODEN: SAMCAS; ISSN: 0584-8539
 DT Journal
 LA English

REFERENCE 2

AN 104:34332 CA
 TI Conformationally restricted cyclic nonapeptides derived from L-cysteine
 and LL-3-amino-2-piperidone-6-carboxylic acid (LL-Acp), a potent
 .beta.-turn-inducing dipeptide analog
 AU Kemp, D. S.; McNamara, Paul E.
 CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA
 SO J. Org. Chem. (1985), 50(26), 5834-8
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English

REFERENCE 3

AN 96:163166 CA
 TI Peptides containing .beta.-turns. I. Cyclo-(Gly-L-Cys-Gly)3 triply
 bridged by 1,3,5-tris-(thiomethyl)benzene
 AU Kemp, D. S.; McNamara, Paul
 CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA
 SO Tetrahedron Lett. (1981), 22(46), 4571-4
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English

L5 ANSWER 71 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 10

NTE **cyclic**

modified

SEQ 1 XXTXXXTXXTL

=====

HITS AT: 3-8

REFERENCE 1

AN 72:79460 CA

TI Chemistry of polymyxin M. XV. Synthesis of analogs. Preparation of cyclic peptides containing L-.alpha.,.gamma.-diaminobutyric acid

AU Salem, Ezzel'din M. S.; Fedoseeva, N. V.; Silaev, A. B.

CS Mosk. Gos. Univ. im. Lomonosova, Moscow, USSR

SO Zh. Obshch. Khim. (1969), 39(11), 2541-5

CODEN: ZOKHA4

DT Journal

LA Russian

L5 ANSWER 72 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 12

NTE **cyclic**

SEQ 1 EGGKGGEGGK GG

===== ==

HITS AT: 1-9, 1-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L5 ANSWER 73 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 12

NTE **cyclic**

modified (modifications unspecified)

SEQ 1 EGGKGGEGGK GG

===== ==

HITS AT: 1-9, 1-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

=> d bib, hit 60-

YOU HAVE REQUESTED DATA FROM 14 ANSWERS - CONTINUE? Y/(N):y7

YOU HAVE REQUESTED DATA FROM 14 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 60 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 40,8,8,8,8,8

NTE multichain

linear,linear,linear,linear,**cyclic**

modified (modifications unspecified)

SEQ 1 KXLXKXLX

SEQ 1 KXLXKXLX

SEQ 1 KXLXKXLX

SEQ 1 KXLXKXLX

SEQ 1 KXKXKXKX

=====

HITS AT: 1-6, 1-8

REFERENCE 1

AN 117:172031 CA

TI Bifunctional peptides composed of helical segment and sugar, crown ether,
or cyclic peptide, and the function regulation

AU Kimura, Shunsaku; Imanishi, Yukio

CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan

SO Pept.: Chem. Biol., Proc. Am. Pept. Symp., 12th (1992), Meeting Date
1991, 371-2. Editor(s): Smith, John A.; Rivier, Jean E. Publisher: ESCOM,
Leiden, Neth.

CODEN: 57XGA9

DT Conference

LA English

REFERENCE 2

AN 115:108774 CA

TI Allosteric regulation by calcium dication of hydrophobic pocket
constituted by using cyclic peptide as template

AU Kimura, Shunsaku; Imanishi, Yukio

CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan

SO Pept. Chem. (1991), 28th, 183-6

CODEN: PECHDP; ISSN: 0388-3698

DT Journal

LA English

L5 ANSWER 61 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 9

NTE **cyclic**

modified (modifications unspecified)

SEQ 1 GGKGGKGGK

=====

HITS AT: 1-8, 3-9

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 114:7207 CA
TI Gly/Lys-containing peptide macrocycles: synthesis and cyclization studies
AU Crusi, E.; Huerta, J. M.; Andreu, D.; Giralt, E.
CS Dep. Org. Chem., Univ. Barcelona, Barcelona, E-08028, Spain
SO Tetrahedron Lett. (1990), 31(29), 4191-4
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L5 ANSWER 62 OF 73 REGISTRY COPYRIGHT 2002 ACS
SQL 8
NTE **cyclic**
modified (modifications unspecified)

SEQ 1 GKXKGKXK

=====

HITS AT: 1-5, 4-8

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 124:261663 CA
TI Pseudo-prolines (.psi.Pro) for accessing inaccessible peptides
AU Mutter, M.; Nefzi, A.; Sato, T.; Sun, X.; Wahl, F.; Wuhr, T.
CS Institute of Organic Chemistry, University of Lausanne, Lausanne, Switz.
SO Peptide Research (1995), 8(3), 145-53
CODEN: PEREEO; ISSN: 1040-5704
PB Eaton
DT Journal
LA English

REFERENCE 2

AN 120:107688 CA
TI Template-assembled synthetic proteins (TASP). Cyclic templates with
incorporated turn-inducing mimics
AU Ernest, Ivan; Kalvoda, Jaroslav; Sigel, Christoph; Rihs, Gerty; Fritz,
Hans; Blommers, Marcel J. J.; Raschdorf, Fritz; Francotte, Eric; Mutter,
Manfred
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.
SO Helv. Chim. Acta (1993), 76(4), 1539-63
CODEN: HCACAV; ISSN: 0018-019X
DT Journal
LA English

REFERENCE 3

AN 113:232022 CA
TI Synthesis of a 4-helix bundle-like template-assembled synthetic protein
(TASP) by condensation of a protected peptide on a conformationally
constrained cyclic carrier
AU Ernest, I.; Vuilleumier, S.; Fritz, H.; Mutter, M.
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.
SO Tetrahedron Lett. (1990), 31(28), 4015-18
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L5 ANSWER 63 OF 73 REGISTRY COPYRIGHT 2002 ACS
SQL 8
NTE **cyclic**

SEQ 1 GKXKGKXX

=====

HITS AT: 1-5, 4-8

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 122:188153 CA
TI Chemoselective ligation of multifunctional peptides to topological
templates via thioether formation for TASP synthesis
AU Nefzi, Adel; Sun, Xicheng; Mutter, Manfred
CS Inst. Org. Chem., Univ. Lausanne, Lausanne, CH-1015, Switz.
SO Tetrahedron Letters (1995), 36(2), 229-30
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier
DT Journal
LA English

REFERENCE 2

AN 113:232022 CA
TI Synthesis of a 4-helix bundle-like template-assembled synthetic protein
(TASP) by condensation of a protected peptide on a conformationally
constrained cyclic carrier
AU Ernest, I.; Vuilleumier, S.; Fritz, H.; Mutter, M.
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.
SO Tetrahedron Lett. (1990), 31(28), 4015-18
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L5 ANSWER 64 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 64,14,14,14,14,8

NTE multichain
linear,linear,linear,linear,**cyclic**
modified (modifications unspecified)

SEQ 1 DAXTAAXNAX KKLK

SEQ 1 DAXTAAXNAX KKLK

SEQ 1 DAXTAAXNAX KKLK

SEQ 1 DAXTAAXNAX KKLK

SEQ 1 GKXKGKXX

=====

HITS AT: 1-5, 4-8

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 113:232022 CA
TI Synthesis of a 4-helix bundle-like template-assembled synthetic protein
(TASP) by condensation of a protected peptide on a conformationally
constrained cyclic carrier
AU Ernest, I.; Vuilleumier, S.; Fritz, H.; Mutter, M.
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.
SO Tetrahedron Lett. (1990), 31(28), 4015-18

CODEN: TELEAY; ISSN: 0040-4039

DT Journal
LA English

L5 ANSWER 65 OF 73 REGISTRY COPYRIGHT 2002 ACS
SQL 64,14,14,14,14,8
NTE multichain
linear,linear,linear,linear,cyclic
modified

SEQ 1 DAXTAAXNAX KKLK

SEQ 1 DAXTAAXNAX KKLK

SEQ 1 DAXTAAXNAX KKLK

SEQ 1 DAXTAAXNAX KKLK

SEQ 1 GKXKGKXK
=====

HITS AT: 1-5, 4-8

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 119:23044 CA
TI Synthetic peptide and template-assembled synthetic protein models of the
hen egg white lysozyme 87-97 helix: importance of a protein-like framework
for conformational stability in a short peptide sequence
AU Vuilleumier, Stephane; Mutter, Manfred
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.
SO Biopolymers (1993), 33(3), 389-400
CODEN: BIPMAA; ISSN: 0006-3525
DT Journal
LA English

REFERENCE 2

AN 113:232022 CA
TI Synthesis of a 4-helix bundle-like template-assembled synthetic protein
(TASP) by condensation of a protected peptide on a conformationally
constrained cyclic carrier
AU Ernest, I.; Vuilleumier, S.; Fritz, H.; Mutter, M.
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.
SO Tetrahedron Lett. (1990), 31(28), 4015-18
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L5 ANSWER 66 OF 73 REGISTRY COPYRIGHT 2002 ACS
SQL 8
NTE cyclic
modified (modifications unspecified)

SEQ 1 KXKXKXKX
=====

HITS AT: 1-6, 1-8

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 111:111294 CA
TI Calcium transport through lipid membrane by diastereomer cyclic octapeptides
AU Kimura, Shunsaku; Ozeki, Eiichi; Imanishi, Yukio
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan
SO Biopolymers (1989), 28(7), 1247-57
CODEN: BIPMAA; ISSN: 0006-3525
DT Journal
LA English

REFERENCE 2

AN 109:124493 CA
TI Calcium transport through lipid membranes by cyclic octapeptides
AU Kimura, Shunsaku; Imanishi, Yukio
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan
SO Pept. Chem. (1988), Volume Date 1987 721-4
CODEN: PECHDP; ISSN: 0388-3698
DT Journal
LA English

L5 ANSWER 67 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 8

NTE **cyclic**
modified (modifications unspecified)

SEQ 1 KXKXKXKX

=====

HITS AT: 1-6, 1-8

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 115:108774 CA
TI Allosteric regulation by calcium dication of hydrophobic pocket constituted by using cyclic peptide as template
AU Kimura, Shunsaku; Imanishi, Yukio
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan
SO Pept. Chem. (1991), 28th, 183-6
CODEN: PECHDP; ISSN: 0388-3698
DT Journal
LA English

REFERENCE 2

AN 111:111294 CA
TI Calcium transport through lipid membrane by diastereomer cyclic octapeptides
AU Kimura, Shunsaku; Ozeki, Eiichi; Imanishi, Yukio
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan
SO Biopolymers (1989), 28(7), 1247-57
CODEN: BIPMAA; ISSN: 0006-3525
DT Journal
LA English

REFERENCE 3

AN 109:124493 CA
TI Calcium transport through lipid membranes by cyclic octapeptides
AU Kimura, Shunsaku; Imanishi, Yukio

CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan
SO Pept. Chem. (1988), Volume Date 1987 721-4
CODEN: PECHDP; ISSN: 0388-3698
DT Journal
LA English

REFERENCE 4

AN 105:129517 CA
TI Calcium ion transport through lipid membrane by cyclic octapeptide
cyclo[-Lys(Z)-Sar-Leu-Sar-Leu-Sar-Leu-Sar-]
AU Kimura, Shunsaku; Imanishi, Yukio
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan
SO Pept. Chem. (1986), Volume Date 1985, 23rd, 273-6
CODEN: PECHDP; ISSN: 0388-3698
DT Journal
LA English

L5 ANSWER 68 OF 73 REGISTRY COPYRIGHT 2002 ACS
SQL 9
NTE **cyclic**

SEQ 1 CGGCGGCGG
=====

HITS AT: 1-6, 1-9

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 96:163166 CA
TI Peptides containing .beta.-turns. I. Cyclo-(Gly-L-Cys-Gly)₃ triply
bridged by 1,3,5-tris-(thiomethyl)benzene
AU Kemp, D. S.; McNamara, Paul
CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA
SO Tetrahedron Lett. (1981), 22(46), 4571-4
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L5 ANSWER 69 OF 73 REGISTRY COPYRIGHT 2002 ACS
SQL 8
NTE **cyclic**
modified (modifications unspecified)

SEQ 1 CGGCGGCGG
=====

HITS AT: 3-8

REFERENCE 1

AN 104:34332 CA
TI Conformationally restricted cyclic nonapeptides derived from L-cysteine
and LL-3-amino-2-piperidone-6-carboxylic acid (LL-Acp), a potent
.beta.-turn-inducing dipeptide analog
AU Kemp, D. S.; McNamara, Paul E.
CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA
SO J. Org. Chem. (1985), 50(26), 5834-8
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L5 ANSWER 68 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 81471-80-9 REGISTRY

CN Cyclo(L-cysteinyglycylglycyl-L-cysteinyglycylglycyl-L-cysteinyglycylglycyl) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4,7,10,13,16,19,22,25-Nonaazacycloheptacosane, cyclic peptide deriv.

CN Cyclic(L-cysteinyglycylglycyl-L-cysteinyglycylglycyl-L-cysteinyglycylglycyl)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 9

NTE **cyclic**

SEQ 1 CGGCGGCGG

=====

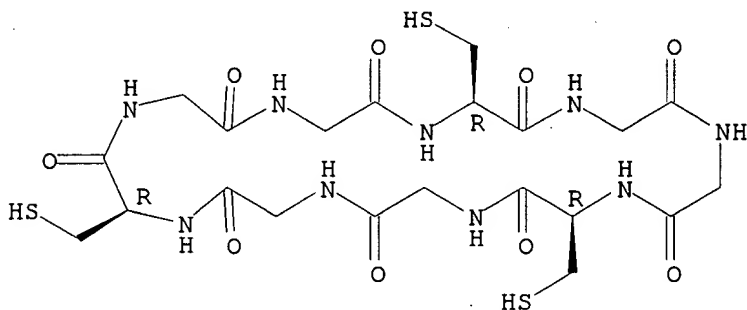
HITS AT: 1-6, 1-9

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C21 H33 N9 O9 S3

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE).

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 72 OF 73 REGISTRY COPYRIGHT 2002 ACS
 RN 3953-49-9 REGISTRY
 CN 1,4,7,10,13,16,19,22,25,28,31,34-Dodecaazacyclohexatriacontane-2,20-
 dipropionic acid, 11,29-bis(4-aminobutyl)-3,6,9,12,15,18,21,24,27,30,33,36-
 dodecaoxo- (7CI, 8CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 12

NTE **cyclic**

SEQ 1 EGGKGGEGGK GG
 =====

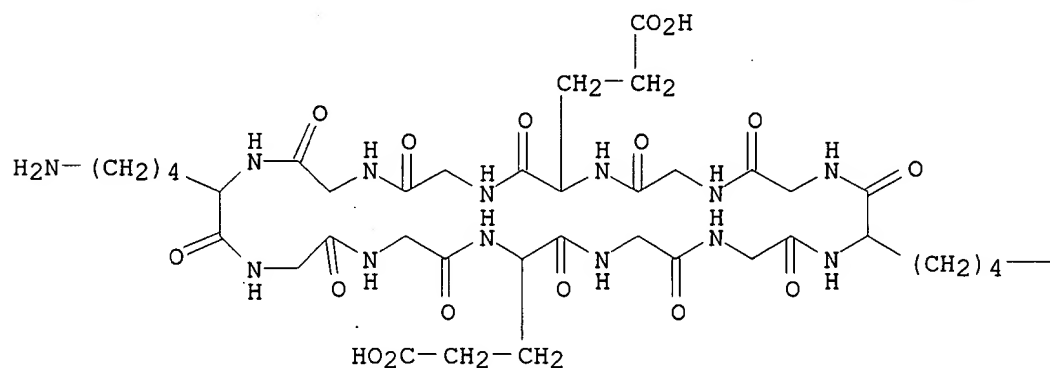
HITS AT: 1-9, 1-12

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C38 H62 N14 O16

LC STN Files: CAOLD

PAGE 1-A

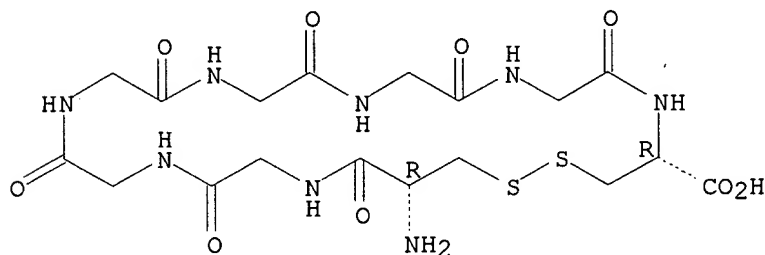


PAGE 1-B

—NH₂

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1959:13432 CAPLUS
 DN 53:13432
 OREF 53:2531e-g
 TI Fermentation. IV. Syntheses of fermenting models and of cyclic peptide-disulfides as inclusion regions
 AU Lautsch, W.; Wiemer, B.; Zschenderlein, P.; Kraege, H. J.; Bandel, W.; Gunther, D.; Schulz, G.; Gnichtel, H.
 CS Freie Univ. Berlin-Dahlem
 SO Kolloid-Zeitschrift (1958), 161, 36-49
 CODEN: KOZEA7; ISSN: 0368-6590
 DT Journal
 LA Unavailable
 IT **109642-59-3**, 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (formation of, oxidase models and)
 RN 109642-59-3 CAPLUS
 CN 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (6CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1957:81087 CAPLUS
 DN 51:81087
 OREF 51:14556f-i,14557a-b
 TI Macromolecular substances derived from inclusion compounds
 AU Lautsch, W.; Wiechert, R.; Gnichtel, H.; Schuchardt, G.; Kraege, H. J.; Singewald, Ch.; Broser, W.; Becker, H.; Rauhut, H.; Grimm, W.
 SO Osterr. Chemiker-Zgt. (1957), 58, 33-9
 DT Journal
 LA Unavailable
 IT **109642-59-3**, 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (prepn. of)
 RN 109642-59-3 CAPLUS
 CN 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (6CI) (CA INDEX NAME)

Absolute stereochemistry.

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 109642-59-3 REGISTRY
 CN 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic
 acid, 25-amino-6,9,12,15,18,21,24-heptaaxo- (6CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 8
 NTE

| type | location | description |
|--------|---------------|------------------|
| bridge | Cys-1 - Cys-8 | disulfide bridge |

SEQ 1 CGGGGGGC

HITS AT: 1-8

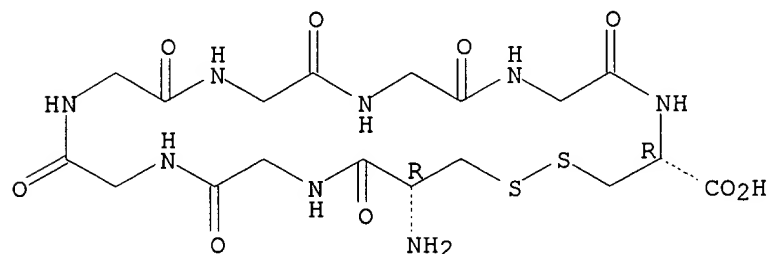
RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C18 H28 N8 O9 S2

SR CAOLD

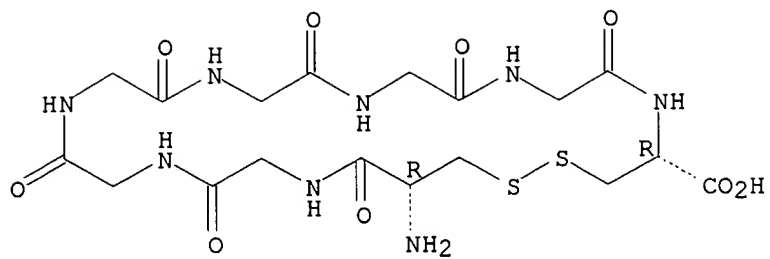
LC STN Files: CA, CAOLD, CAPLUS

Absolute stereochemistry.



3 REFERENCES IN FILE CA (1937 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1937 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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